

MOBEEN MEHDI

Data Engineer | Data Engineering and Analytics

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CERTIFICATIONS

- AWS Certified Data Analytics – Specialty
- Databricks Lakehouse Fundamentals

PROFESSIONAL EXPERIENCE

Keyrus:

Data Engineer

Jul 2021 - Present

Essilor Luxottica:

- +Designed the Azure Data Factory ETL solution for Essilor.
- Data is accumulated in a data lake utilizing three-tier architecture (L1, L2, L3).
- +Vast data sources are integrated into a unified form in the data lake.
- +Integrity and transformation of data are applied using ADF Mapping Dataflow/ Databricks.
- +Implemented Incremental load and snapshot data ingestion strategy.
- +Client-facing and requirement gathering.
- +Following technologies are used to accomplish the projected Azure cloud, Azure Data Factory, adls, Databricks, and SQL server, Logic App.

Data Mesh X (DMX):

- Meta Data Driven Ingestion Framework:
- +Extracted 100 TB of data from data lake gen2 using the python multithreading technique and wrote algorithm with the least time complexity, stored data efficiently in the data lake gen2 by using spark data frame for further analysis.
- + Developed DMX to automate data ingestion from different sources; JDBC and Files, simplifying data movement and orchestration for the end user using Apache Airflow and Big Data services on Microsoft Azure.
- +Orchestration for further data lake account is applied through Apache airflow.

MERCEDES:

- +Developed cloud base end-to-end data ingestions, transformation, and integration pipelines of Mercedes industrial manufacturing data by using a Meta-data driven framework, airflow, Databricks, ADLS, Synapse, DBT
- + Developed Dynamic Dag's and Tasks in Airflow to handle user's custom Ingestion Pipeline configurations and frequencies.
- +Developed DBT code for Transformation in ODS Layers using Dynamic Snapshot and Model,
- +DBT is applied to perform data transformation at the warehouse level.
- +Orchestration of all the activities is handled through airflow.
- +Developed Docker Scripts for meta data ingestion at Database via Docker
- +Reviewed documentation, and code reviews, and conducted code walkthroughs.

EDUCATION

The National University of Computer and Emerging Sciences 2018 –2021 (Islamabad) Master's degree (Computer Software Engineering)
University of Management and Technology 2013–2017 (Islamabad) Bachelor’s Degree in Software Engineering

SKILLS

Big Data tools:

Apache Airflow, Apache spark, databricks, DBT (data build tool), Data factory, delta lake, Snowflake, Synapse, hdfs.

Cloud Expertise: Azure cloud, AWS Cloud.

Programming | Scripting | framework | Code | Versioning:

Python, SQL, Bash, Docker, Git, Bitbucket.

DevOps: CI/CD, Docker

Data modeling: Relational database modeling | warehousing

IOS Developer: Dev Stop Private Limited Full-time April 2019 – Jan 2020 (Islamabad)

Supported iOS App development and testing processes.

Verified that the Application met requirements IOS standards.

Maintained existing applications.

Story Boarding and Function requirement gathering